DA12(24/48/110/230)-5K0-A

scope of application

This device is designed for industrial automation systems, computer systems, data centers, and signal control systems, protecting power supply equipment at the front end of circuits with different voltage levels from overvoltage caused by lightning strikes or operational disturbances in AC or DC power lines.

technical parameter

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model	DA12(24/48/110/230)-5K0-A
According to the standard: GB/T18802.11/IEC61643-11	Grade III/Category III
Nominal AC/DC voltage (Un)	5V ~ 12V/24V/48V/110V/230V
Maximum continuous operating voltage (Uc) AC/DC	18V/36V/60V/150V/320V
Nominal discharge current (8/20μs) [In]	5KA
Maximum discharge current (8/20μs) [Imax]	10KA
Open-circuit voltage (Uoc)	10KV
Voltage protection level (Up)	0.4KV/0.4KV/0.8KV/1KV/1.5KV
response time (t)	≤25ns
external backup fuse	built-in
leakage current	not have
Working temperature range (Tu)	-40℃ ~ +80℃
Working status/fault indication	Green/None
minimum installed conductor cross-sectional area	1mm² single-strand/multistrand
maximum installed conductor cross-sectional area	4mm² single-strand/multistrand
way to install	35mm DIN rail, compliant with EN 60715
Shell material	Gray thermoplastic material, UL94 V-0
installation site	indoor
levels of protection	IP20
size	1.5 Digital-to-Analog Converter, DIN 43880
relative humidity	≤95% No condensation
Remote communication contact type (optional)	temperature controlled fuse
AC load capacity	250V/0.5A
DC load capacity	250V/0.1A; 125V/0.2A; 75V/0.5A
cross-sectional area of telemetry terminal	Maximum 1.5mm² single-strand wire/soft wire

schematic diagram
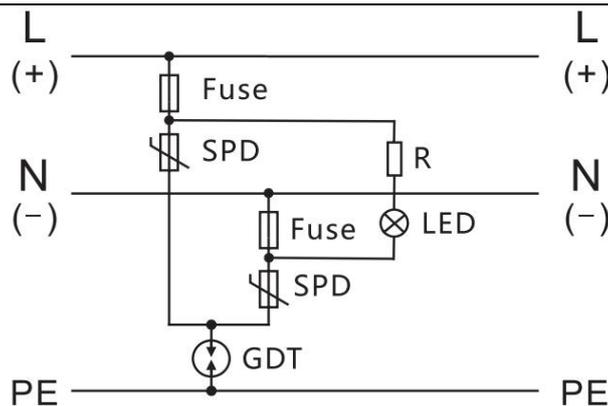
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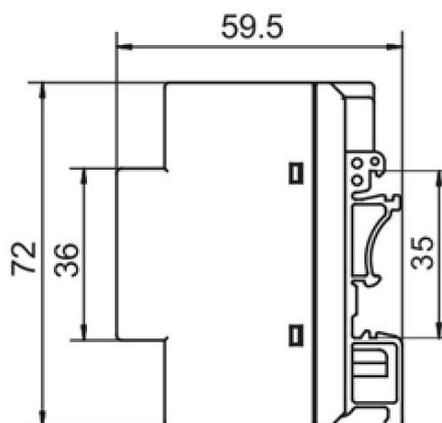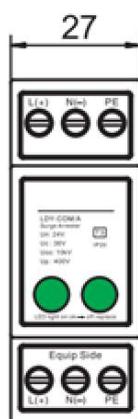
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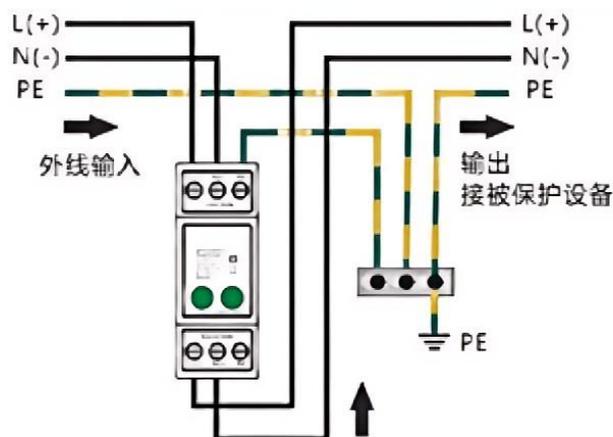
串联连接方式
适用于额定负载电流不超过10A的电源系统
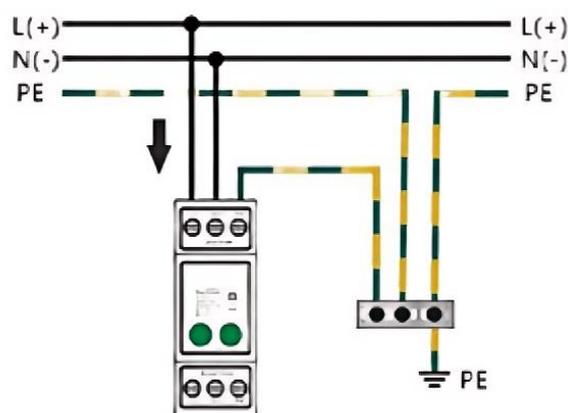
并联连接方式
适用于额定负载电流超过10A的电源系统

Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

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Rev:23.6